

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,150,860 B1  
APPLICATION NO. : 09/837687  
DATED : December 19, 2006  
INVENTOR(S) : Paolo Palmas et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Claim 1:

Column 8, line 5, after "vapor," insert the phrase --a disengaging region above and below said work point;--

Column 8, line 8, after "inlet being disposed" insert --in said disengaging region--

Column 8, line 8, "join" should be corrected to --joint--

In Claim 8:

Column 8, line 39, after "vapor," insert the phrase --a disengaging region above and below said work point;--

Column 8, line 43, after "said inlet being disposed" insert the phrase --in said disengaging region--

In Claim 15:

Column 9, line 11, after "vapor;" insert the phrase --discharging said catalyst and hydrocarbon product vapor horizontally into a disengaging region;--

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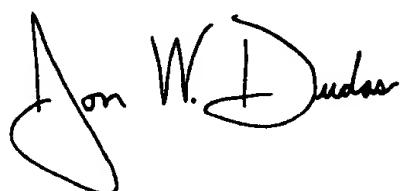
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Claim 15 (cont'd):

Column 9, line 14, after "disposed" insert the phrase --in said disengaging region--

Signed and Sealed this

Seventh Day of August, 2007



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*